

FIG.1

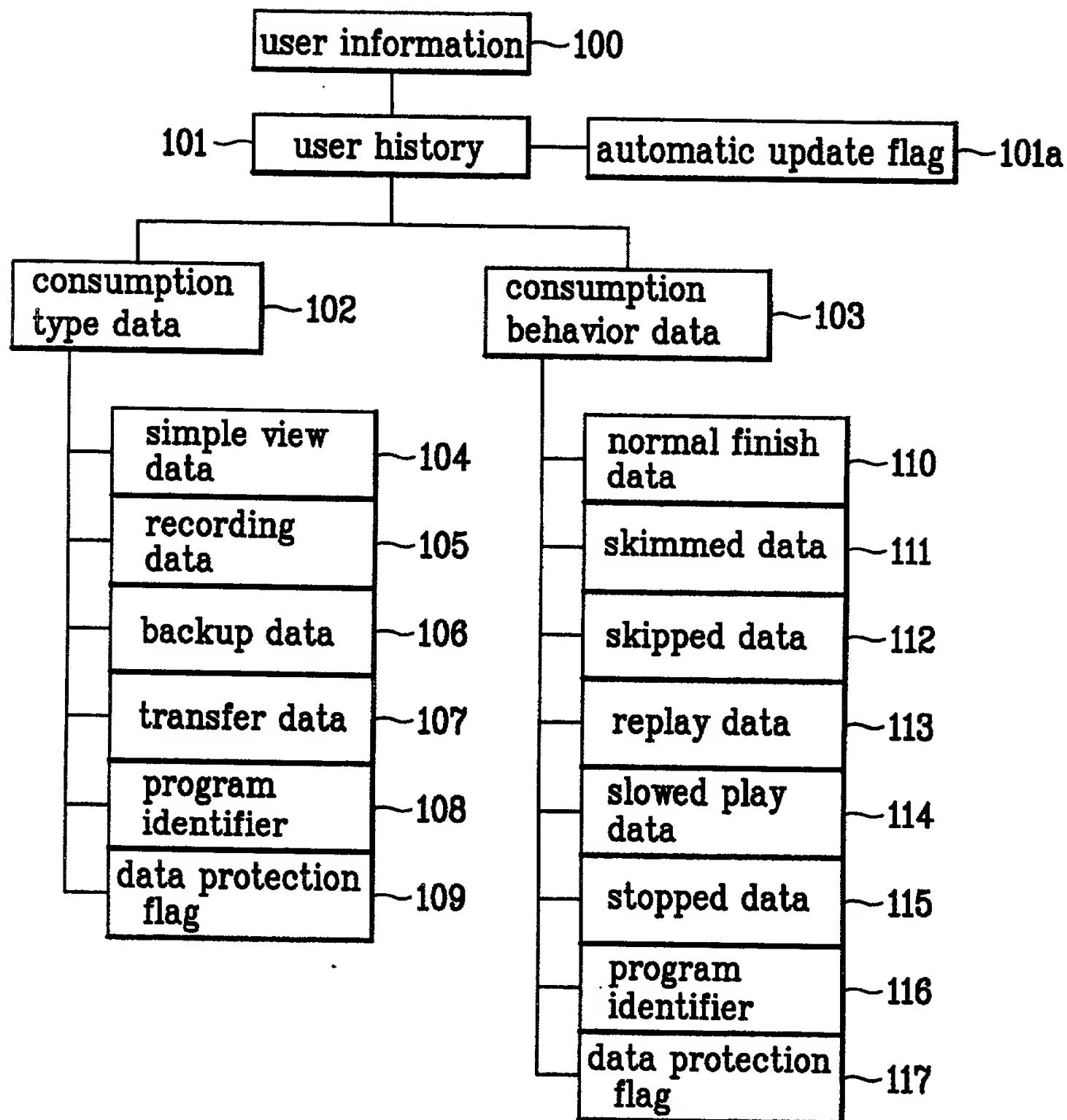


FIG.2

simple view data=(end time) or (start time)

recording data=(recording time, recording format)

backup data=(backup time, storage format)

transfer data=(transfer time, transfer format)

normal finish data=(0 or 1)

skimmed data=(start of section, end of section) or (start of section, length of section)

skipped data=(start of section, end of section) or (start of section, length of section)

replay data=(start of section, end of section) or (start of section, length of section)

slowed play data=(start of section, end of section) or (start of section, length of section)

stopped data=(stop position identifier)

FIG.3

```
<complexType name="RecordOrTransferHistory">
    <element name="ActionTime" type="mds: TimePoint"
        minOccurs="0"/>
    <element name="ActionFormat" type="mds: MediaFormat"
        minOccurs="0"/>
</complexType>

<complexType name="ConsumptionType">
    <element name="SimplyPlayed" type="mds: TimePoint"
        minOccurs="0" maxOccurrence="unbounded"/>
    <element name="Recorded" type="mds: RecordOrTransferHistory"
        minOccurs="0" maxOccurrence="unbounded"/>
    <element name="Backedup" type="mds: RecordOrTransferHistory"
        minOccurs="0" maxOccurrence="unbounded"/>
    <element name="Transferred" type="mds: RecordOrTransferHistory"
        minOccurs="0" maxOccurrence="unbounded"/>
    <element name="ReferenceToProgram" type="mds: ReferenceToProgram"
        minOccurs="1"/>
    <attribute name="protection" type="Boolean" use="default"
        value="true"/>
</complexType>

<complexType name="ConsumptionBehavior">
    <element name="NormalFinish" type="xml: boolean" minOccurs="0"/>
    <element name="Skimmed" type="mds: MediTime"
        minOccurs="0" maxOccurs="unbounded"/>
    <element name="Skipped" type="mds: MediaTime"
        minOccurs="0" maxOccurs="unbounded"/>
    <element name="slowed" type="mds: MediaTime"
        minOccurs="0" maxOccurs="unbounded"/>
    <element name="Replayed" type="mds: MediaTime"
        minOccurs="0" maxOccurs="unbounded"/>
    <element name="Stopped" type="mds: MediaTimePoint"
        minOccurs="0"/>
    <element name="ReferenceToProgram" type="mds: ReferenceToProgram"
        minOccurs="1"/>
    <attribute name="protection" type="Boolean" use="default"
        value="true"/>
</complexType>

<complexType name="UsageHistory">
    <element name="ConsumptionType" type="mds: ConsumptionType"
        minOccurs="0" maxOccurs="unbounded"/>
    <element name="ConsumptionBehavior" type="mds: ConsumptionBehavior"
        minOccurs="0" maxOccurs="unbounded"/>
    <attribute name="allowAutomaticUpdate" type="boolean"
        use="default" value="true"/>
</complexType>
```

FIG. 4

